Small Business Innovation Research (SBIR) Program

The U.S. Navy's SBIR Program funds science and technology efforts that enhance the Navy's capabilities through innovations developed by small businesses. The Program focuses on dual-use technologies, anticipating that the products of each SBIR initiative will be useful to both the military and private sectors.

Periodically, ONR prompts the participating Navy offices to submit topic proposals used to solicit the diverse requirements of the Department of the Navy. Annual Navy SBIR funding typically exceeds $100M.

Participating offices are located at the SYSCOMs and Navy labs. NAVSEA Crane assists the NAVSUP CSA with the management of the supply community's SBIR Program participation.

The SBIR process begins with topic development and continues through three potential phases of development … resulting in dual-use technologies for both the military and private sectors. Additional information is available at www.navysbir.com and the NAVSUP Web site.

Program Manager & Command Science Advisor

Science Advisors (SA's) function as the senior representative of the Commander on interactions with Science and Technology (S&T) organizations in government, academia and industry. They assist and advise the host Command in the identification of Fleet/Force needs that have a critical impact on combat readiness, thereby serving Naval Fleet/Force Technology Innovation (NFFTI) and the Naval Research Enterprise (NRE).

Primary Functions:

* Advisor. Act as the senior advisor on all S&T matters to the Fleet/Force Commander and the other staff principals.

* Consultant. Acquire a working knowledge of the Command's operational environment and provide insight into areas where new and existing technology may be employed.

* Visionary. Work with Future Naval Capability (FNC) leaders to identify opportunities for near-term technology insertions.

* Assessor. Ensure that Fleet/Force requirements identified on Integrated Priority Lists (IPLs) are consistent with actual Fleet/Force needs..

* Facilitator. Coordinate Advanced Concept Technology Demonstration (ACTD) program development, Tech Solutions e-business initiatives, and regional COCOM S&T engagement plans.

* Innovator. Assist in Strategic Planning, Concept Development and Experimentation.

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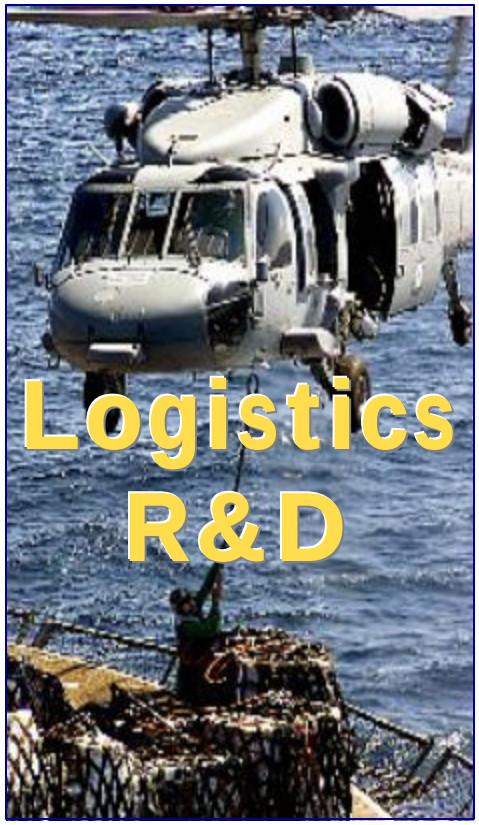

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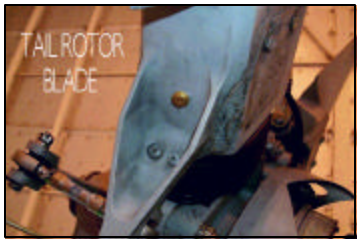
NAVSUP LOGISTICS RESEARCH & DEVELOPMENT (LOG R&D)

Navy Logistics Productivity

The Navy Logistics Productivity (NLP) Research and Development program grew from a Small Business Innovation Research effort in 1995 to a multi-million dollar R&D program. NLP was initially established to help mitigate the effects of Diminishing Manufacturing Sources/ Material Shortages (DMSMS). Today its principal objective is to attain Operations and Support (O&S) cost savings and process innovation through the identification, application and implementation of emerging technologies.

Asset / Serial Number Tracking

NLP assists in the implementation of asset control technology, employing Automatic Identification Technology (AIT) to enable serial number tracking of maintenance critical components to provide logistics benefits, ranging from readily accessible maintenance histories to carcass tracking and warranty management.



Collaborative Logistics Productivity

NLP's Collaborative Logistics Productivity (CLP) program provides innovative, open architecture, Web-based solutions, to foster integration between the fleet, support activities, and the industrial supply chain.

A sampling of active CLP initiatives includes: ReMAD, a re-engineered maritime allowance tool built on fleet and infrastructure requirements; CV(N) Industrial Support , providing critical forecasts and acquisition support for depot availability material requirements; and the Logistics Performance Metrics Monitoring System, providing bird-track metrics for various Navy activities.

Condition Based Maintenance (CBM)

This FY04 start-up initiative is a government sponsored, contractor executed initiative to generate life cycle logistics cost savings through development and application of CBM remote sensor and wireless communications technologies. The project will extend its information network from the monitoring of shipboard equipment into the Navy supply chain by creating the communication linkages between the machinery health monitoring technology and the legacy supply and logistics databases that support shipboard maintenance.

Sense & Respond Logistics

Using a shipboard pump as an example, the initiative will demonstrate the entire chain-of-support affect, from the transducer collecting vibration or temperature data through to the processing of that data into actionable health information about the pump. An application program will also trigger transactions for the ordering, delivery, and installation of any replacements components, allowing for the proof-of-concept for "Sense & Respond Logistics". By these accomplishments, the initiative will deliver the potential for reduced spare parts usage rates (usage only as needed, not per periodicity), lower associated inventory investment, and reduced shipboard manning. The bottom line result will be increased shipboard readiness and reduced support costs.

How Your Activity Can Benefit from NAVSUP LOG R&D Initiatives:

1. Consider involving the NAVSUP Command Science Advisor (CSA) as a Science & Technology consultant the next time your organization is facing a challenging technology issue.

2. Contact the NAVSUP CSA Office to inquire about the feasibility for obtaining CLP sponsorship for a desired IT initiative … a call letter for project nominations is sent annually from NAVSUP HQ.

3. Nominate SBIR Topics that can help to fill the technology gaps or provide innovation in your work processes … SBIR data calls occur twice each year, usually in December and July.

NAVSUP LOG R&D … Helping to overcome obstacles through emerging technologies

Moving beyond the past, into the future.